

MODULE 2 LESSON #3: Of Science Teaching and the Benefits of Scientific Practice

1) Identify two lessons from Dr. Putong's article that your group considers to be important.

#1 How to disseminate scientific knowledge and procedures among the people so that they will be equipped with scientific principles and information as they go about their daily activities.

#2 How to most effectively develop the scientific attitude in the students and allow them to have a better appreciation of the field.

2) Why did your group consider these two lessons important?

The group considers Lesson #1 important because a society that lacks scientific knowledge can end up making their lives much more complicated in the long run and miss out on the improvements that they have the potential to have. For example, farmers who continue to use primitive methods in their farming and resist the promptings of progress are prone to not raise as much produce as they should. Another example is families who lack an understanding and appreciation of the nutritional values of certain foods end up consuming meals that can be detrimental to their health.

The group considers Lesson #2 important because figuring out how students can become more interested in science can help their generation become more prosperous than the previous one. Students need to see that Science is not a school subject where you store up scientific facts in your mind but as a way to improve their daily lives. Once they have that view towards Science then they can create different kinds of experiments that will eventually improve their status quo for them and the many generations to come.

3) How can you contribute to the development of the scientific attitude among Filipino citizens?

One suggestion is that we provide our society with an abundance of information relating to Scientific Knowledge, which can be done by donating books, magazines, journals, brochures and other materials to numerous learning institutions. This can also be done digitally by producing online infographics or making a website or starting a Youtube channel or posting on the numerous social media websites such as Facebook, Twitter and Instagram or by creating a Reddit page. I.e, educating others with our own scientific observations and hypotheses to garnish communities into practicing scientific methods and or procedures.

Another suggestion is to make students have a change in attitude towards Science by discussing scientific topics that are relevant in improving their lives. As mentioned earlier, once students view Science in this direction they can make their generation and other generations to come better than their previous lineage. This can be done by placing the students in a state of expectancy by not telling them beforehand what is to happen but leading them instead to speculate and then to explain the phenomenon they see when you make them do an experiment. Doing this can induce a maximum of active, vigorous thinking on the part of the students; helping them develop a curiosity and reflective thinking that will help them become smarter versions of themselves. Easier said than done, which is why it is important that educators themselves properly prepare themselves in practicing the method of keeping their audience (students in this case) in a state of expectancy.